

Author Index

Adornato BT, 125, 324
 Ahmann PA, 118
 Allen JH, 18
 Allen RJ, 92
 Amin-Zaki L, 348
 André-Kildare MW, 389
 Angel RW, 73
 Angelini C, 5
 Antel JP, 436
 Antunes JL, 496
 Aparicio M, 496
 Appenzeller O, 251
 Armbrustmacher VW, 65
 Arnason BGW, 436
 Asbury AK, 354
 Assis LJP, 81
 Atkinson R, 251
 Balagura S, 84
 Ball MJ, 462
 Ballenger CE, 382
 Baloh RW, 269
 Barr RM, 81
 Bartels PB, 412, 421
 Bartleson JD, 492
 Bashir RM, 50, 58
 Bellavance A, 262
 Bergman I, 389
 Boller F, 329
 Borrone C, 5
 Boughner DR, 130
 Bove KE, 550
 Boxerbaum B, 524
 Bradbury PG, 392
 Brandt T, 195
 Brann AW Jr, 118
 Brechenmacher C, 496
 Bresolin N, 5
 Brooks EB, 135
 Brown WF, 289
 Bryant RC, 288
 Bugiani O, 93
 Bullen WW, 441
 Burns J, 183, 436
 Butler IJ, 11
 Caine ED, 41
 Cairncross JG, 385, 529
 Cantell K, 392
 Cantini M, 5
 Carlow TJ, 371
 Caveness WF, 204, 213, 222
 Charron L, 262
 Chiappa KH, 135
 Ch'ien LT, 58
 Chou C-HJ, 336
 Chou FC-H, 336
 Cirignotta F, 393
 Clarkson TW, 348

Cloyd JC, 191
 Cohen MH, 65
 Cohen SR, 157, 167
 Cook S, 108
 Cooper JR, 304
 Coulter DL, 92
 Cowan C, 388
 Cracco RQ, 238
 Cramer JA, 583
 Daroff RB, 195, 277
 Davis CJF, 392
 Davis RL, 113
 Delaney P, 494
 Denckla MB, 412, 421
 Derman S, 471, 479
 Desnick RJ, 297
 Di Chiro G, 344
 Dirgo JA, 515
 Dorfman LJ, 450
 Dowling P, 108
 Downey R, 496
 van der Drift JHA, 388
 Duffy FH, 412, 421
 Dupont B, 391
 Dykes FD, 118
 Dziedzic JD, 489
 Ebers GC, 81, 130
 Ebert MH, 41
 Ecker A, 181
 Eil C, 125
 Eldridge R, 41
 Ellis FT, 311
 Engel WK, 324
 Epstein CM, 592
 Fariello RG, 393
 Farmer P, 238
 Feindel W, 395
 Feldman MH, 238
 Fenichel GM, 577
 Ferguson GG, 289
 Finch CE, 406
 Fitch OH, 58
 Fitzpatrick JE, 577
 Foley KM, 311
 Forno LS, 450
 Fortunato J, 108
 Frank JP, 11
 Fritz RB, 336
 Fuld PA, 486
 Fulton TR, 557
 Gabriel YH, 287
 Gambetti P, 329
 El Gammal TA, 382
 Gang DL, 389
 Gatti R, 93
 Giménez-Roldán S, 78
 Goldschmidt B, 108
 Goochee C, 359
 Good RA, 391
 Goodman SI, 441

Gresty MA, 429
 Griffith PA, 493
 Gudmundsson G, 436
 Guggenheim MA, 441
 Gumnit RJ, 191
 Haddad FS, 185
 Halmagyi GM, 429
 Hanano M, 591
 Harati Y, 11
 Harper MG, 344
 Harrison JL, 135
 Harvey FH, 371
 Hauhart RE, 515
 Hawley RJ, 65
 Head GL, 125
 Hebel JR, 144
 Hetnarski B, 489
 Hilton PK, 550
 Hoffman JC Jr, 340
 Honrubia V, 269
 Horwitz SJ, 524
 Hosokawa S, 204, 213, 222
 Hummel EE, 567
 Huott AD, 344
 Hurtig HI, 495
 Iannaccone ST, 550
 Iguchi T, 222
 Iqbal K, 489
 Isaacs H Jr, 113
 Itoyama Y, 157, 167
 Jabbari B, 344
 Johnson RT, 394
 Jones EM, 515
 Jones HR Jr, 491
 Karacan I, 471, 479
 Karp HR, 493, 592
 Kattah JG, 93
 Kato M, 204, 213, 222
 Katz RG, 84
 Katzman R, 486, 570
 Kaufman MD, 585
 Kawamura N, 542
 Kelly RH, 391
 Kelts KA, 450
 Khurana RK, 144
 Kibler RF, 336
 Kies MW, 157
 Kiessling LS, 421
 Kim J-H, 385, 529
 Kim RC, 86
 Kishimoto Y, 542
 Klawans HL, 193
 Koerper MA, 380
 Koga M, 390
 Koller WC, 193
 Kornfeld M, 251
 Kramer II, 495
 Krance R, 58
 Kurtzke JF, 493

Lajtha A, 489
 Landing BH, 113
 Laurentjoye L, 496
 Lawrence JA, 58
 Lazzara A, 118
 Lee A, 24
 Leech J, 429
 Leigh RJ, 37
 Lepore FE, 289
 Lesar TS, 191
 Leshner RT, 382
 Levy L, 150
 Lisak RP, 58, 183
 Livingston S, 495
 Loo YH, 557
 Loriaux DL, 125
 Lucke S, 5
 Ludlow CL, 497
 Luessenhop AJ, 93
 Lugaresi E, 393
 Lum GM, 441
 Mair RG, 466
 Majeed MA, 348
 Malamut BL, 204, 213, 222
 Marchand L, 262
 Marmarou A, 508
 Maroon JC, 24
 Marsh DO, 348
 Martin M, 78
 Martin JT, 18
 Martinez AJ, 24
 Martins AN, 344
 Mashaly R, 286
 Masucci EF, 493
 Mathieu-Millaire F, 37
 Mattson RH, 583
 McCabe ERB, 441
 McComb JG, 113
 McDonald TF, 382
 McEntee WJ, 466
 McLain LW Jr, 18
 Melton LJ III, 492
 Mendell JR, 245
 Menonna J, 108
 Meyer JS, 471, 479
 Michelsen WJ, 496
 Miller RG, 290, 567
 Mizutani T, 329
 Montanaro AJ, 587
 Moossy J, 24
 Mori R, 390
 Moser AB, 542
 Moser HW, 542
 Mount F, 238
 Mullin BR, 587
 Murphy J, 542
 Myers CJ, 348
 Myllylä G, 392
 Nee LE, 41
 Nell JH, 457
 Nelson E, 144
 Nelson TE, 11

January issue, pp 1-94; February issue, pp 95-194; March issue, pp 195-290; April issue, pp 291-394; May issue, pp 395-496; June issue, pp 497-595.

Author Index

Adornato BT, 125, 324
 Ahmann PA, 118
 Allen JH, 18
 Allen RJ, 92
 Amin-Zaki L, 348
 André-Kildare MW, 389
 Angel RW, 73
 Angelini C, 5
 Antel JP, 436
 Antunes JL, 496
 Aparicio M, 496
 Appenzeller O, 251
 Armbrustmacher VW, 65
 Arnason BGW, 436
 Asbury AK, 354
 Assis LJP, 81
 Atkinson R, 251
 Balagura S, 84
 Ball MJ, 462
 Ballenger CE, 382
 Baloh RW, 269
 Barr RM, 81
 Bartels PB, 412, 421
 Bartleson JD, 492
 Bashir RM, 50, 58
 Bellavance A, 262
 Bergman I, 389
 Boller F, 329
 Borrone C, 5
 Boughner DR, 130
 Bove KE, 550
 Boxerbaum B, 524
 Bradbury PG, 392
 Brandt T, 195
 Brann AW Jr, 118
 Brechenmacher C, 496
 Bresolin N, 5
 Brooks EB, 135
 Brown WF, 289
 Bryant RC, 288
 Bugiani O, 93
 Bullen WW, 441
 Burns J, 183, 436
 Butler IJ, 11
 Caine ED, 41
 Cairncross JG, 385, 529
 Cantell K, 392
 Cantini M, 5
 Carlow TJ, 371
 Caveness WF, 204, 213, 222
 Charron L, 262
 Chiappa KH, 135
 Ch'ien LT, 58
 Chou C-HJ, 336
 Chou FC-H, 336
 Cirignotta F, 393
 Clarkson TW, 348

Cloyd JC, 191
 Cohen MH, 65
 Cohen SR, 157, 167
 Cook S, 108
 Cooper JR, 304
 Coulter DL, 92
 Cowan C, 388
 Cracco RQ, 238
 Cramer JA, 583
 Daroff RB, 195, 277
 Davis CJF, 392
 Davis RL, 113
 Delaney P, 494
 Denckla MB, 412, 421
 Derman S, 471, 479
 Desnick RJ, 297
 Di Chiro G, 344
 Dirgo JA, 515
 Dorfman LJ, 450
 Dowling P, 108
 Downey R, 496
 van der Drift JHA, 388
 Duffy FH, 412, 421
 Dupont B, 391
 Dykes FD, 118
 Dziedzic JD, 489
 Ebers GC, 81, 130
 Ebert MH, 41
 Ecker A, 181
 Eil C, 125
 Eldridge R, 41
 Ellis FT, 311
 Engel WK, 324
 Epstein CM, 592
 Fariello RG, 393
 Farmer P, 238
 Feindel W, 395
 Feldman MH, 238
 Fenichel GM, 577
 Ferguson GG, 289
 Finch CE, 406
 Fitch OH, 58
 Fitzpatrick JE, 577
 Foley KM, 311
 Forno LS, 450
 Fortunato J, 108
 Frank JP, 11
 Fritz RB, 336
 Fuld PA, 486
 Fulton TR, 557
 Gabriel YH, 287
 Gambetti P, 329
 El Gammal TA, 382
 Gang DL, 389
 Gatti R, 93
 Giménez-Roldán S, 78
 Goldschmidt B, 108
 Goochee C, 359
 Good RA, 391
 Goodman SI, 441

Gresty MA, 429
 Griffith PA, 493
 Gudmundsson G, 436
 Guggenheim MA, 441
 Gumnit RJ, 191
 Haddad FS, 185
 Halmagyi GM, 429
 Hanano M, 591
 Harati Y, 11
 Harper MG, 344
 Harrison JL, 135
 Harvey FH, 371
 Hauhart RE, 515
 Hawley RJ, 65
 Head GL, 125
 Hebel JR, 144
 Hetnarski B, 489
 Hilton PK, 550
 Hoffman JC Jr, 340
 Honrubia V, 269
 Horwitz SJ, 524
 Hosokawa S, 204, 213, 222
 Hummel EE, 567
 Huott AD, 344
 Hurtig HI, 495
 Iannaccone ST, 550
 Iguchi T, 222
 Iqbal K, 489
 Isaacs H Jr, 113
 Itoyama Y, 157, 167
 Jabbari B, 344
 Johnson RT, 394
 Jones EM, 515
 Jones HR Jr, 491
 Karacan I, 471, 479
 Karp HR, 493, 592
 Kattah JG, 93
 Kato M, 204, 213, 222
 Katz RG, 84
 Katzman R, 486, 570
 Kaufman MD, 585
 Kawamura N, 542
 Kelly RH, 391
 Kelts KA, 450
 Khurana RK, 144
 Kibler RF, 336
 Kies MW, 157
 Kiessling LS, 421
 Kim J-H, 385, 529
 Kim RC, 86
 Kishimoto Y, 542
 Klawans HL, 193
 Koerper MA, 380
 Koga M, 390
 Koller WC, 193
 Kornfeld M, 251
 Kramer II, 495
 Krance R, 58
 Kurtzke JF, 493

Lajtha A, 489
 Landing BH, 113
 Laurentjoye L, 496
 Lawrence JA, 58
 Lazzara A, 118
 Lee A, 24
 Leech J, 429
 Leigh RJ, 37
 Lepore FE, 289
 Lesar TS, 191
 Leshner RT, 382
 Levy L, 150
 Lisak RP, 58, 183
 Livingston S, 495
 Loo YH, 557
 Loriaux DL, 125
 Lucke S, 5
 Ludlow CL, 497
 Luessenhop AJ, 93
 Lugaresi E, 393
 Lum GM, 441
 Mair RG, 466
 Majeed MA, 348
 Malamut BL, 204, 213, 222
 Marchand L, 262
 Marmarou A, 508
 Maroon JC, 24
 Marsh DO, 348
 Martin M, 78
 Martin JT, 18
 Martinez AJ, 24
 Martins AN, 344
 Mashaly R, 286
 Masucci EF, 493
 Mathieu-Millaire F, 37
 Mattson RH, 583
 McCabe ERB, 441
 McComb JG, 113
 McDonald TF, 382
 McEntee WJ, 466
 McLain LW Jr, 18
 Melton LJ III, 492
 Mendell JR, 245
 Menonna J, 108
 Meyer JS, 471, 479
 Michelsen WJ, 496
 Miller RG, 290, 567
 Mizutani T, 329
 Montanaro AJ, 587
 Moossy J, 24
 Mori R, 390
 Moser AB, 542
 Moser HW, 542
 Mount F, 238
 Mullin BR, 587
 Murphy J, 542
 Myers CJ, 348
 Myllylä G, 392
 Nee LE, 41
 Nell JH, 457
 Nelson E, 144
 Nelson TE, 11

January issue, pp 1-94; February issue, pp 95-194; March issue, pp 195-290; April issue, pp 291-394; May issue, pp 395-496; June issue, pp 497-595.

- Nicklas WJ, 297
 Nishimura RN, 587
 Noronha ABC, 436
 Nuttall K, 462

 O'Bell J, 524
 O'Brien JS, 450
 O'Brien MS, 340
 Oger J, 436
 Oh SJ, 178
 Ohshima F, 591
 Olson BJ, 577
 O'Neill RR, 204, 213, 222
 Osorio I, 277
 O'Sullivan P, 58

 Palo J, 392
 Pauli LL, 495
 Peck A, 486
 Peterson HdeC, 593
 Peyronnard J-M, 262
 Philippart M, 5
 Plaitakis A, 297, 304
 Plum F, 1
 Poisson M, 286
 Polinsky RJ, 41
 Posner JB, 311, 385, 529
 Pruce I, 495

 Quarles RH, 167

 Rasband W, 359
 Reid JD, 587
 Reik L Jr, 291

 Rice GPA, 81, 130
 Richardson EP Jr, 157, 167, 389
 Ringel SP, 441
 Risk WS, 185
 Rissanen A, 392
 Robertson WC, 393
 Roessmann U, 329
 Roig M, 441
 Rollinson RD, 281
 Roos RP, 436
 Rosen WG, 486

 Sadeh M, 286
 Saini N, 65
 Sakai F, 471, 479
 Salmon J, 385
 Samaha F, 550
 Sanborn GE, 289
 Sandbank U, 286
 Sandini G, 412, 421
 Sato Y, 390
 Schaumburg HH, 354, 542
 Schlezinger NS, 591
 Schut L, 183
 Schwartz JF, 118, 340
 Schwartzkroin PA, 95
 Scott CI, 11
 Seyer JM, 58
 Shapiro K, 508
 Sharpless NS, 570
 Shek JW, 557
 Sheth KJ, 319

 Shulman K, 508
 Shuping JR, 281
 Silberberg D, 183
 Simon RP, 380
 Sivak ED, 188
 Slevin JT, 289
 Sogg RL, 450
 Sokoloff L, 359
 Stappenbeck R, 592
 Stefansson K, 436
 Steinman L, 450
 Sterman AB, 354
 Sternberger NH, 157, 167
 Stiller C, 130
 Streib EW, 188
 Suzuki K, 542
 Swick HM, 319
 Swift TR, 382

 Tateishi J, 390
 Terry RD, 486
 Thal LJ, 570
 Tharp BR, 450
 Thurston JH, 515
 Tikriti S, 348
 Toole JF, 281
 Toro R, 144
 Tower DB, 395
 Trauner DA, 2
 Tsubaki T, 591

 Van Effentere R, 286
 Van Steirteghem AC, 324

 Vertosick FT Jr, 391
 Vincent FM, 494
 Vital C, 496

 Wakisaka S, 204, 213, 222
 Warmolts JR, 245
 Warabiki S, 144
 Webster H deF, 157, 167
 Welch KMA, 457
 Wen GY, 557
 Whetsell WO Jr, 304
 Whitaker JN, 50, 58
 Wicke JD, 150
 Willoughby EW, 391
 Wisniewski HM, 377, 489, 557
 Wisniewski K, 377
 Wolfson L, 570
 Woodruff JM, 311
 Wyler AR, 95

 Yahr MD, 304
 Yamamoto M, 471, 479
 Yates SK, 289
 Yee RD, 269
 Young RR, 135
 Young RSK, 389
 Youngblood LA, 344
 Yuasa T, 591

 Zee DS, 37
 Zimmerman JE, 494
 Zweig MH, 324

Subject Index

- Abscess**
brainstem abscess and syndrome of acute tegmental encephalitis (Harvey and Carlow), 371
- Acetylcholinesterase**
central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- Acute tegmental encephalitis**
brainstem abscess and syndrome of acute tegmental encephalitis (Harvey and Carlow), 371
- Adenoma**
pituitary adenomas (Martinez et al), 24
- Adrenergic function**
effect of alpha-adrenergic innervation on caudate blood flow (Levy and Wicke), 150
memory enhancement in Korsakoff's psychosis by clonidine, further evidence for a noradrenergic deficit (McEntee and Mair), 466
- Adrenoleukodystrophy**, elevated C26 fatty acid in cultured skin fibroblasts (Moser et al), 542
- Aging**
relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), EDITORIAL, 406
- Aluminum**
central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- Alzheimer disease**
neurofibrillary tangles, granulovacuolar degeneration, and neuron loss in Down syndrome, quantitative comparison with Alzheimer dementia (Ball and Nuttall), 462
Parkinson disease, dementia, and Alzheimer disease, clinicopathological correlations (Boller et al), 329
pathological verification of ischemic score in differentiation of dementias (Rosen et al), 486
- Amnesia**
transient global amnesia (Shuping et al), 281
- d-Amphetamine**
memory enhancement in Korsakoff's psychosis by clonidine, further evidence for a noradrenergic deficit (McEntee and Mair), 466
- Amylase**
acute parotitis and hyperamylasemia following whole-brain radiation therapy (Cairncross et al), 385
- Amyloidosis**
autosomal dominant cerebrovascular amyloidosis, properties of peripheral blood lymphocytes (Stefansson et al), 436
- Amyotrophic lateral sclerosis**
interferon therapy for ALS (Rissanen et al), LETTER, 392
management of hypoventilation in motor neuron disease presenting with respiratory insufficiency (Sivak and Streib), 188
- Analgesia**
prolonged relief of tic douloureux from partial root destruction is associated with localized analgesia (Ecker), 181
- Anesthesia**
central core disease and malignant hyperthermia syndrome (Frank et al), 11
- Angiokeratoma corporis diffusum**
peripheral nerve conduction in Fabry disease (Sheth and Swick), 319
- Anticholinergics**, for Parkinson disease (Hurtig), LETTER, 495
- Anticonvulsants**
cerebellar degeneration due to chronic phenytoin therapy (McLain et al), 18
fatal Reye-like syndrome associated with valproic acid (Young et al), LETTER, 389
interactional studies with sodium valproate and naloxone (Cowan), LETTER, 388
lorazepam in therapy for status epilepticus (Griffith and Karp), LETTER, 493
pancreatitis associated with valproic acid therapy for epilepsy (Coulter and Allen), 92
reduced seizure control due to spoiled phenytoin capsules (Cloyd et al), 191
treatment of myoclonus with L-5-hydroxytryptophan and carbidopa (Thal et al), 570
valproic acid and ethosuximide interaction (Mattson and Cramer), 583
- Aphasia**
children's language disorders, recent research advances (Ludlow), CURRENT REVIEW, 497
- Apnea**
heart rate changes in convulsive and nonconvulsive neonatal apnea (Fenichel et al), 577
sleep apnea, narcolepsy, and dreaming, regional cerebral hemodynamics (Meyer et al), 479
- Arachnoid cyst**
hereditary spinal arachnoid cysts, distichiasis, and lymphedema (Schwartz et al), 340
- Arteriovenous malformation**
resolution of classic migraine after removal of occipital lobe AVM (Kattah and Luessenhop), LETTER, 93
- Ataxia**
acute ataxia associated with ciguatera-type (grouper) tropical fish poisoning (Jones), NOTE, 491
barognosis in a patient with hemiataxia (Angel), 73
L-dopa in children with progressive neurological disorders (Bugiani and Gatti), LETTER, 93
glutamate dehydrogenase deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
- Atrophy**
carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65
glutamate dehydrogenase deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
masticatory spasm in facial hemiatrophy (Kaufman), 585
- Automated classification**
dyslexia, automated diagnosis by computerized classification of brain electrical activity (Duffy et al), 421
- Autoradiography**
computerized densitometry and color coding of [¹⁴C]deoxyglucose autoradiographs (Gooch et al), 359
- Bacterial infections**. See Infectious diseases
- Barognosis**, in a patient with hemiataxia (Angel), 73
- Basal ganglia**
relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), EDITORIAL, 406

January issue, pp 1-94; February issue, pp 95-194; March issue, pp 195-290; April issue, pp 291-394; May issue, pp 395-496; June issue, pp 497-595.

- BEAM.** *See* Brain electrical activity mapping
- Biopsy**
diagnosis of infantile neuroaxonal dystrophy by skin biopsy (Wisniewski and Wisniewski), 377
- Books**
books received and brief reviews, 94, 593
Clinical Aspects of Neuroimmunology, by Neuwelt and Clark (Johnson), 394
Clinical Neuroimmunology, by Behan and Currie (Johnson), 394
Developmental Disabilities, by Thompson and O'Quinn (Peterson), 593
- Brain**
cerebral herniation in bacterial meningitis in childhood (Horwitz et al), 524
radiation therapy for brain metastases (Cairncross et al), 529
resolution of classic migraine after removal of occipital lobe AVM (Kattah and Luessenhop), LETTER, 93
- Brain electrical activity mapping**
dyslexia, automated diagnosis by computerized classification of brain electrical activity (Duffy et al), 421
dyslexia, regional differences in brain electrical activity by topographic mapping (Duffy et al), 412
- Brainstem**
brainstem abscess and syndrome of acute tegmental encephalitis (Harvey and Carlow), 371
brainstem auditory evoked responses in palatal myoclonus (Epstein et al), LETTER, 592
brainstem auditory evoked responses in 200 patients with multiple sclerosis (Chiappa et al), 135
cold face test in assessment of trigeminal-brainstem-vagal function in humans (Khurana et al), 144
recovery following brainstem hemorrhage (Burns et al), 183
- Brain tumors**
hemorrhage within brain tumors during jogging (Downey et al), LETTER, 496
medulloblastoma presenting as neck tumors in 2 infants (McComb et al), 113
radiation therapy for brain metastases (Cairncross et al), 529
unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), LETTER, 287
- Burst discharge**
mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95
- Calcification**
cerebellar calcification on computerized tomography (Koller and Klawans), 193
- Calcium**
mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95
- Cancer.** *See also* Brain tumors; Tumors
carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65
cerebellar involvement in multifocal eosinophilic granuloma, demonstration by computerized tomographic scanning (Adornato et al), 125
medulloblastoma presenting as neck tumors in 2 infants (McComb et al), 113
radiation-induced malignant and atypical peripheral nerve sheath tumors (Foley et al), 311
radiation therapy for brain metastases (Cairncross et al), 529
- Carbidopa**
treatment of myoclonus with L-5-hydroxytryptophan and carbidopa (Thal et al), 570
- Carcinoma.** *See* Cancer
- Caudate nucleus**
effect of alpha-adrenergic innervation on caudate blood flow (Levy and Wicke), 150
- Central core disease, and malignant hyperthermia syndrome** (Frank et al), 11
- Central nervous system**
neuroaxonal dystrophy and hemosiderin in central nervous system (Sadeh and Sandbank), NOTE, 286
neuropathology of phenylacetate poisoning in rats, experimental model of phenylketonuria (Wen et al), 557
- Cerebellar function**
barognosis in a patient with hemiataxia (Angel), 73
cerebellar control of ocular gaze stability (Zee et al), 37
- Cerebellum**
absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277
cerebellar calcification on computerized tomography (Koller and Klawans), 193
cerebellar degeneration due to chronic phenytoin therapy (McLain et al), 18
cerebellar involvement in multifocal eosinophilic granuloma, demonstration by computerized tomographic scanning (Adornato et al), 125
- Cerebral blood flow**
effect of alpha-adrenergic innervation on caudate blood flow (Levy and Wicke), 150
normal human sleep, regional cerebral hemodynamics (Sakai et al), 471
sleep apnea, narcolepsy, and dreaming, regional cerebral hemodynamics (Meyer et al), 479
- Cerebral blood vessels**
cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
- Cerebral hemorrhage.** *See* Stroke
- Cerebral ischemia**
transient global amnesia (Shuping et al), 281
- Cerebral metabolism**
effects of manipulation of sensorimotor system on focal motor seizures in the monkey (Hosokawa et al), 222
local cerebral glucose utilization in newborn and pubescent monkeys during focal motor seizures (Kato et al), 204
mechanisms of increased brain glucose and glycogen after hydrocortisone (Thurston et al), 515
neuroaxonal dystrophy and hemosiderin in central nervous system (Sadeh and Sandbank), NOTE, 286
propagation of focal motor seizures in pubescent monkey (Caveness et al), 213
tables of local cerebral glucose utilization in various experimental preparations, APPENDIX, 230
- Cerebrospinal fluid**
characterization of clinical CSF dynamics and neural axis compliance using pressure-volume index—the normal index (Shapiro et al), 508
immunoreactive myelin basic protein in cerebrospinal fluid in neurological disorders (Whitaker et al), 58
molecular features of immunoreactive myelin basic protein in cerebrospinal fluid of persons with multiple sclerosis (Bashir and Whitaker), 50
PMNs in normal spinal fluid examined by cytocentrifuge technique (Simon and Koerper), 380

- Cerebrovascular disease**
 cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
 familial stroke syndrome associated with mitral valve prolapse (Rice et al), 130
 hemorrhage within brain tumors during jogging (Downey et al), LETTER, 496
 immunoreactive myelin basic protein in cerebrospinal fluid in neurological disorders (Whitaker et al), 58
 intraventricular hemorrhage in high-risk preterm infant (Ahmann et al), 118
 pathological verification of ischemic score in differentiation of dementias (Rosen et al), 486
 recovery following brainstem hemorrhage (Burns et al), 183
 transient global amnesia (Shuping et al), 281
 undecussated innervation to sternocleidomastoid muscle (Balagura and Katz), 84
- Chemotherapy**
 conus tuberculoma responding to chemotherapy (Bradbury and Davis), LETTER, 392
- Cherry-red spots**
 peripheral neuropathy in cherry-red spot-myoclonus syndrome (sialidosis type I) (Steinman et al), 450
- China**
 impressions of neurology and neurosurgery in the People's Republic of China (Tower and Feindel), EDITORIAL REVIEW, 395
- Choline acetyltransferase**
 central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- Chorea**
 relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), EDITORIAL, 406
- Choroid plexus**
 rheumatoid disease with encephalopathy (Kim), 86
- Ciguatera**
 acute ataxia associated with ciguatera-type (grouper) tropical fish poisoning (Jones), NOTE, 491
- Clonazepam**
 startle epilepsy complicating Down syndrome during adulthood (Giménez-Roldán and Martín), 78
- Clonidine**
 memory enhancement in Korsakoff's psychosis by clonidine, further evidence for a noradrenergic deficit (McEntee and Mair), 466
- Cold face test**, in assessment of trigeminal-brainstem-vagal function in humans (Khurana et al), 144
- Compliance**
 characterization of clinical CSF dynamics and neural axis compliance using pressure-volume index—the normal index (Shapiro et al), 508
- Compression neuropathy**
 cubital tunnel syndrome, treatment with simple decompression (Miller and Hummel), 567
 cubital tunnel syndrome and ulnar neuropathy (Brown et al), LETTER, 289; reply (Miller), LETTER, 290
- Computer averaging**
 spinal evoked potential in the monkey (Feldman et al), 238
- Computerized image processing**
 computerized densitometry and color coding of [¹⁴C]deoxyglucose autoradiographs (Goochee et al), 359
- Computerized tomography**
 cerebellar calcification on computerized tomography (Koller and Klawans), 193
- cerebellar involvement in multifocal eosinophilic granuloma, demonstration by computerized tomographic scanning (Adornato et al), 125
 intraventricular hemorrhage in high-risk preterm infant (Ahmann et al), 118
 recovery following brainstem hemorrhage (Burns et al), 183
 surgically correctable lesions solely detected by CT scan in adult-onset chronic epilepsy (Jabbari et al), 344
- Computer mapping**
 dyslexia, automated diagnosis by computerized classification of brain electrical activity (Duffy et al), 421
 dyslexia, regional differences in brain electrical activity by topographic mapping (Duffy et al), 412
- Convulsions. See Epilepsy**
- Corollary discharge**
 barognosis in a patient with hemiataxia (Angel), 73
- Cortical neurons**
 mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95
- Cowden disease**
 association of myasthenia gravis with multiple hamartoma syndrome (Cowden disease) (Yuasa), LETTER, 591
- Cranial nerves**
 undecussated innervation to sternocleidomastoid muscle (Balagura and Katz), 84
- Creatine kinase**
 serum creatine kinase BB and MM concentrations determined by radioimmunoassay in neuromuscular disorders (Zweig et al), 324
- Creutzfeldt-Jakob disease**
 properties of transmissible agent derived from chronic spongiform encephalopathy (Tateishi et al), LETTER, 390
- CT scanning. See Computerized tomography**
- C26 fatty acids**
 adrenoleukodystrophy, elevated C26 fatty acid in cultured skin fibroblasts (Moser et al), 542
- Cubital tunnel syndrome**
 cubital tunnel syndrome, treatment with simple decompression (Miller and Hummel), 567
 cubital tunnel syndrome and ulnar neuropathy (Brown et al), LETTER, 289; reply (Miller), LETTER, 290
- Cyclandelate**, in diabetic radiculoneuropathy (van der Drift), LETTER, 388
- Cylindrical spirals**, in familial neuromuscular disorder (Bove et al), 550
- Cyocentrifugation**
 PMNs in normal spinal fluid examined by cytocentrifuge technique (Simon and Koerper), 380
- Decussation**
 undecussated innervation to sternocleidomastoid muscle (Balagura and Katz), 84
- Deficiency diseases**
 glutamate dehydrogenase deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
 glycerol kinase deficiency with neuromuscular, skeletal, and adrenal abnormalities (Guggenheim et al), 441
 peripheral neuropathy in cherry-red spot-myoclonus syndrome (sialidosis type I) (Steinman et al), 450
- Degeneration**
 absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277

- central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- cerebellar degeneration due to chronic phenytoin therapy (McLain et al), 18
- Degenerative diseases**
- chronic Leigh disease, genetic and biochemical study (Plaitakis et al), 304
- glutamate dehydrogenase deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
- Dementia**
- central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- Parkinson disease, dementia, and Alzheimer disease, clinicopathological correlations (Boller et al), 329
- pathological verification of ischemic score in differentiation of dementias (Rosen et al), 486
- Demyelination**
- cubital tunnel syndrome, treatment with simple decompression (Miller and Hummel), 567
- cubital tunnel syndrome and ulnar neuropathy (Brown et al), LETTER, 289; reply (Miller), LETTER, 290
- disseminated vasculomyelinopathy, an immune complex disease (Reik), HYPOTHESIS, 291
- immunocytochemical method to identify myelin basic protein in oligodendroglia and myelin sheaths of human nervous system (Itoyama et al), 157
- immunocytochemical observations on distribution of myelin-associated glycoprotein and myelin basic protein in multiple sclerosis lesions (Itoyama et al), 167
- immunoreactive myelin basic protein in cerebrospinal fluid in neurological disorders (Whitaker et al), 58
- interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587
- molecular features of immunoreactive myelin basic protein in cerebrospinal fluid of persons with multiple sclerosis (Bashir and Whitaker), 50
- neuropathy and mitochondrial myopathy (Peyronnard et al), 262
- pure axonal neuropathy, nerve xenografts and clinicopathological study of a family with peripheral neuropathy, hereditary ataxia, focal necrotizing encephalopathy, and spongy degeneration of brain (Appenzeller et al), 251
- Dentate nucleus**
- cerebellar calcification on computerized tomography (Koller and Klawans), 193
- 2-Deoxyglucose**
- cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
- computerized densitometry and color coding of [^{14}C]deoxyglucose autoradiographs (Goochee et al), 359
- Desensitization**
- prevention of experimental allergic encephalomyelitis in Lewis rats with peptide 68-88 of guinea pig myelin basic protein (Chou et al), 336
- Developing mice**
- mechanisms of increased brain glucose and glycogen after hydrocortisone (Thurston et al), 515
- Diabetes**
- cyclandelate in diabetic radiculoneuropathy (van der Drift), LETTER, 388
- diabetic superior branch palsy of oculomotor nerve (Masucci and Kurtzke), LETTER, 493
- Diabetic radiculoneuropathy**
- cyclandelate in diabetic radiculoneuropathy (van der Drift), LETTER, 388
- Disease transmission**
- properties of transmissible agent derived from chronic spongiform encephalopathy (Tateishi et al), LETTER, 390
- Distichiasis**
- hereditary spinal arachnoid cysts, distichiasis, and lymphedema (Schwartz et al), 340
- Diving response**
- cold face test in assessment of trigeminal-brainstem-vagal function in humans (Khurana et al), 144
- Dizziness**
- multisensory physiological and pathological vertigo syndromes (Brandt and Daroff), CLINICAL REVIEW, 195
- Down syndrome**
- neurofibrillary tangles, granulovacuolar degeneration, and neuron loss in Down syndrome, quantitative comparison with Alzheimer dementia (Ball and Nuttall), 462
- startle epilepsy complicating Down syndrome during adulthood (Giménez-Roldán and Martín), 78
- Dreaming**
- sleep apnea, narcolepsy, and dreaming, regional cerebral hemodynamics (Meyer et al), 479
- Drowning, in epilepsy** (Livingston et al), LETTER, 495
- Drug interaction**
- valproic acid and ethosuximide interaction (Mattson and Cramer), 583
- Duchenne dystrophy**
- serum creatine kinase BB and MM concentrations determined by radioimmunoassay in neuromuscular disorders (Zweig et al), 324
- Dyslexia**
- dyslexia, automated diagnosis by computerized classification of brain electrical activity (Duffy et al), 421
- dyslexia, regional differences in brain electrical activity by topographic mapping (Duffy et al), 412
- Dystrophy**
- neuroaxonal dystrophy and hemosiderin in central nervous system (Sadeh and Sandbank), NOTE, 286
- serum creatine kinase BB and MM concentrations determined by radioimmunoassay in neuromuscular disorders (Zweig et al), 324
- Eating epilepsy**
- eating epilepsy (Cirignotta and Lugaresi), LETTER, 393; reply (Robertson and Fariello), LETTER, 393
- Editorial**
- relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), 406
- Editor's messages**, 1, 411
- Electrical activity**
- dyslexia, automated diagnosis by computerized classification of brain electrical activity (Duffy et al), 421
- dyslexia, regional differences in brain electrical activity by topographic mapping (Duffy et al), 412
- mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95
- neurotonia, impulse-induced repetitive discharges in motor nerves in peripheral neuropathy (Warmolts and Mendell), 245
- Electroencephalography**
- dyslexia, regional differences in brain electrical activity by topographic mapping (Duffy et al), 412
- Electromyography**
- masticatory spasm in facial hemiatrophy (Kaufman), 585
- Encephalitis**
- brainstem abscess and syndrome of acute tegmental encephalitis (Harvey and Carlow), 371

- Encephalomyelitis**
disseminated vasculomyelinopathy, an immune complex disease (Reik), HYPOTHESIS, 291
- Encephalomyelopathy**
metrizamide encephalopathy (Vincent and Zimmerman), LETTER, 494
- Encephalopathy**
rheumatoid disease with encephalopathy (Kim), 86
treatment of Reye syndrome (Trauner), EDITORIAL REVIEW, 2
- Eosinophilic granuloma**
cerebellar involvement in multifocal eosinophilic granuloma, demonstration by computerized tomographic scanning (Adornato et al), 125
- Epilepsy**
cerebellar degeneration due to chronic phenytoin therapy (McLain et al), 18
cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
drowning in epilepsy (Livingston et al), LETTER, 495
eating epilepsy (Cirignotta and Lugaresi), LETTER, 393; reply (Robertson and Fariello), LETTER, 393
effects of manipulation of sensorimotor system on focal motor seizures in the monkey (Hosokawa et al), 222
heart rate changes in convulsive and nonconvulsive neonatal apnea (Fenichel et al), 577
interactional studies with sodium valproate and naloxone (Cowan), LETTER, 388
local cerebral glucose utilization in newborn and pubescent monkeys during focal motor seizures (Kato et al), 204
lorazepam in therapy for status epilepticus (Griffith and Karp), LETTER, 493
mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95
pancreatitis associated with valproic acid therapy for epilepsy (Coulter and Allen), NOTE, 92
propagation of focal motor seizures in pubescent monkey (Caveness et al), 213
reduced seizure control due to spoiled phenytoin capsules (Cloyd et al), 191
seizures in sarcoidosis, poor prognosis (Delaney), LETTER, 494
startle epilepsy complicating Down syndrome during adulthood (Giménez-Roldán and Martín), 78
surgically correctable lesions solely detected by CT scan in adult-onset chronic epilepsy (Jabbari et al), 344
unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), LETTER, 287
valproic acid and ethosuximide interaction (Mattson and Cramer), 583
- Erratum**, 261
- Ethosuximide**
valproic acid and ethosuximide interaction (Mattson and Cramer), 583
- Evoked responses**
brainstem auditory evoked responses in palatal myoclonus (Epstein et al), LETTER, 592
brainstem auditory evoked responses in 200 patients with multiple sclerosis (Chiappa et al), 135
dyslexia, regional differences in brain electrical activity by topographic mapping (Duffy et al), 412
spinal evoked potential in the monkey (Feldman et al), 238
- Experimental allergic encephalomyelitis**
prevention of experimental allergic encephalomyelitis in Lewis rats with peptide 68-88 of guinea pig myelin basic protein (Chou et al), 336
- Fabry disease**
peripheral nerve conduction in Fabry disease (Sheth and Swick), 319
- Facial hemiatrophy**
masticatory spasm in facial hemiatrophy (Kaufman), 585
- Familial stroke syndrome**, associated with mitral valve prolapse (Rice et al), 130
- Fetus**
fetal methylmercury poisoning, clinical and toxicological data on 29 cases (Marsh et al), 348
- Fibroblasts**
adrenoleukodystrophy, elevated C26 fatty acid in cultured skin fibroblasts (Moser et al), 542
- Fish poisoning**
acute ataxia associated with ciguatera-type (grouper) tropical fish poisoning (Jones), NOTE, 491
- Focal motor seizures**
effects of manipulation of sensorimotor system on focal motor seizures in the monkey (Hosokawa et al), 222
local cerebral glucose utilization in newborn and pubescent monkeys during focal motor seizures (Kato et al), 204
propagation of focal motor seizures in pubescent monkey (Caveness et al), 213
- Ganglioglioma**
unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), LETTER, 287
- Gangliosides**
interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587
- Gerbils**
cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
- Gilles de la Tourette syndrome**. See Tourette syndrome
- Glucose metabolism**
mechanisms of increased brain glucose and glycogen after hydrocortisone (Thurston et al), 515
- Glucose release**
interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587
- Glucose uptake**
cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
- Glucose utilization**
computerized densitometry and color coding of [¹⁴C]deoxyglucose autoradiographs (Gooch et al), 359
effects of manipulation of sensorimotor system on focal motor seizures in the monkey (Hosokawa et al), 222
local cerebral glucose utilization in newborn and pubescent monkeys during focal motor seizures (Kato et al), 204
propagation of focal motor seizures in pubescent monkey (Caveness et al), 213
tables of local cerebral glucose utilization in various experimental preparations, APPENDIX, 230
- Glutamate dehydrogenase**, deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
- Glycerol kinase**, deficiency with neuromuscular, skeletal, and adrenal abnormalities (Guggenheim et al), 441
- Grafts**
pure axonal neuropathy, nerve xenografts and clinicopathological study of a family with peripheral neuropathy, hereditary ataxia, focal necrotizing encephalopathy, and spongy degeneration of brain (Appenzeller et al), 251

- Granuloma**
cerebellar involvement in multifocal eosinophilic granuloma, demonstration by computerized tomographic scanning (Adornato et al), 125
- Guillain-Barré syndrome**
improvement of Guillain-Barré syndrome by hemodialysis (Vital et al), LETTER, 496
mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108
- Haloperidol**
Gilles de la Tourette syndrome, clinical and family study of 50 cases (Nee et al), 41
- Hamartoma**
association of myasthenia gravis with multiple hamartoma syndrome (Cowden disease) (Yuasa), LETTER, 591
- Hand-Schüller-Christian disease**
cerebellar involvement in multifocal eosinophilic granuloma, demonstration by computerized tomographic scanning (Adornato et al), 125
- Headache**
resolution of classic migraine after removal of occipital lobe AVM (Kattah and Luessenhop), LETTER, 93
- Head injury**
motorcyclists and head injuries (André-Kildare), LETTER, 389
- Health care system**
impressions of neurology and neurosurgery in the People's Republic of China (Tower and Feindel), EDITORIAL REVIEW, 395
- Heart**
familial stroke syndrome associated with mitral valve prolapse (Rice et al), 130
heart rate changes in convulsive and nonconvulsive neonatal apnea (Fenichel et al), 577
- Hematopoiesis**
extramedullary hematopoiesis and spinal cord compression complicating polycythemia rubra vera (Rice et al), 81
- Hemiatrophy**
masticatory spasm in facial hemiatrophy (Kaufman), 585
- Hemorrhage, brain**
hemorrhage within brain tumors during jogging (Downey et al), LETTER, 496
- Hemorrhage, brainstem**
recovery following brainstem hemorrhage (Burns et al), 183
- Hemosiderin**
neuroaxonal dystrophy and hemosiderin in central nervous system (Sadeh and Sandbank), NOTE, 286
- Hepatic injury**
fatal Reye-like syndrome associated with valproic acid (Young et al), LETTER, 389
- Hereditary diseases**
autosomal dominant cerebrovascular amyloidosis, properties of peripheral blood lymphocytes (Stefansson et al), 436
central core disease and malignant hyperthermia syndrome (Frank et al), 11
chronic Leigh disease, genetic and biochemical study (Plaitakis et al), 304
cylindrical spirals in a familial neuromuscular disorder (Bove et al), 550
familial stroke syndrome associated with mitral valve prolapse (Rice et al), 130
Gilles de la Tourette syndrome, clinical and family study of 50 cases (Nee et al), 41
glutamate dehydrogenase deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
glycerol kinase deficiency with neuromuscular, skeletal, and adrenal abnormalities (Guggenheim et al), 441
hereditary spinal arachnoid cysts, distichiasis, and lymphedema (Schwartz et al), 340
multisystem triglyceride storage disorder with impaired long-chain fatty acid oxidation (Angelini et al), 5
peripheral nerve conduction in Fabry disease (Sheth and Swick), 319
pure axonal neuropathy, nerve xenografts and clinicopathological study of a family with peripheral neuropathy, hereditary ataxia, focal necrotizing encephalopathy, and spongy degeneration of brain (Appenzeller et al), 251
relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), EDITORIAL, 406
startle epilepsy complicating Down syndrome during adulthood (Giménez-Roldán and Martín), 78
- Herniation**
cerebral herniation in bacterial meningitis in childhood (Horwitz et al), 524
- Hunter syndrome**
myelopathy in mucopolysaccharidosis type II (Hunter syndrome) (Ballenger et al), 382
- Huntington's chorea**
relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), EDITORIAL, 406
- Hydrocephalus**
intraventricular hemorrhage in high-risk preterm infant (Ahmann et al), 118
- Hydrocortisone**
mechanisms of increased brain glucose and glycogen after hydrocortisone (Thurston et al), 515
- L-5-Hydroxytryptophan**
treatment of myoclonus with L-5-hydroxytryptophan and carbidopa, clinical, electrophysiological, and biochemical observations (Thal et al), 570
- Hyperthermia**
central core disease and malignant hyperthermia syndrome (Frank et al), 11
- Hypophysectomy**
pituitary adenomas, clinicopathological and immunohistochemical study (Martinez et al), 24
- Hypotheses**
disseminated vasculomyelinopathy, an immune complex disease (Reik), 291
mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), 95
- Hypoventilation**
management of hypoventilation in motor neuron disease presenting with respiratory insufficiency (Sivak and Streib), 188
- Hypsarrhythmia**
unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), LETTER, 287
- Ichthyosis**
multisystem triglyceride storage disorder with impaired long-chain fatty acid oxidation (Angelini et al), 5
- Immune complex diseases**
disseminated vasculomyelinopathy, an immune complex disease (Reik), HYPOTHESIS, 291
rheumatoid disease with encephalopathy (Kim), 86

- Immune dysfunction**
 autosomal dominant cerebrovascular amyloidosis, properties of peripheral blood lymphocytes (Stefansson et al), 436
- Immune response**
 immunocytochemical method to identify myelin basic protein in oligodendroglia and myelin sheaths of human nervous system (Itoyama et al), 157
 immunocytochemical observations on distribution of myelin-associated glycoprotein and myelin basic protein in multiple sclerosis lesions (Itoyama et al), 167
 immunoreactive myelin basic protein in cerebrospinal fluid in neurological disorders (Whitaker et al), 58
 interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587
 molecular features of immunoreactive myelin basic protein in cerebrospinal fluid of persons with multiple sclerosis (Bashir and Whitaker), 50
 mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108
 prevention of experimental allergic encephalomyelitis in Lewis rats with peptide 68-88 of guinea pig myelin basic protein (Chou et al), 336
- Immunocytochemistry**
 immunocytochemical method to identify myelin basic protein in oligodendroglia and myelin sheaths of human nervous system (Itoyama et al), 157
 immunocytochemical observations on distribution of myelin-associated glycoprotein and myelin basic protein in multiple sclerosis lesions (Itoyama et al), 167
- Immunohistochemistry**
 pituitary adenomas, clinicopathological and immunohistochemical study (Martinez et al), 24
- Infantile neuroaxonal dystrophy**
 diagnosis of infantile neuroaxonal dystrophy by skin biopsy (Wisniewski and Wisniewski), 377
- Infantile spasms**
 unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), LETTER, 287
- Infectious diseases**
 cerebral herniation in bacterial meningitis in childhood (Horwitz et al), 524
 mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108
- Inflammatory diseases**
 mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108
- Inhibitor factor**
 chronic Leigh disease, genetic and biochemical study (Plaitakis et al), 304
- Innervation**
 undecussated innervation to sternocleidomastoid muscle (Balagura and Katz), 84
- Integrator**
 cerebellar control of ocular gaze stability (Zee et al), 37
- Interferon, therapy for ALS** (Rissanen et al), LETTER, 392
- Intracranial pressure**
 treatment of Reye syndrome (Trauner), EDITORIAL REVIEW, 2
- Intraventricular hemorrhage, in high-risk preterm infant** (Ahmann et al), 118
- Ion flux**
 mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95
- Ischemia**
 cerebral microvessel 2-deoxy-D-glucose uptake during ischemia-induced seizures (Nell and Welch), 457
- Isoenzymes**
 serum creatine kinase BB and MM concentrations determined by radioimmunoassay in neuromuscular disorders (Zweig et al), 324
- Isoprinosisine, treatment in 18 patients with subacute sclerosing panencephalitis** (Haddad and Risk), 185
- Jogging**
 hemorrhage within brain tumors during jogging (Downey et al), LETTER, 496
- Kearns-Shy syndrome**
 neuropathy and mitochondrial myopathy (Peyronnard et al), 262
- Ketone bodies**
 mechanisms of increased brain glucose and glycogen after hydrocortisone (Thurston et al), 515
- Korsakoff psychosis**
 memory enhancement in Korsakoff's psychosis by clonidine, further evidence for a noradrenergic deficit (McEntee and Mair), 466
- Kuru**
 properties of transmissible agent derived from chronic spongiform encephalopathy (Tateishi et al), LETTER, 390
- Language disorders**
 children's language disorders, recent research advances (Ludlow), CURRENT REVIEW, 497
- Learning disorders**
 children's language disorders, recent research advances (Ludlow), CURRENT REVIEW, 497
- Left hemisphere**
 children's language disorders, recent research advances (Ludlow), CURRENT REVIEW, 497
- Leigh disease**
 chronic Leigh disease, genetic and biochemical study (Plaitakis et al), 304
- Leopold, Samuel**
 tribute to Samuel Leopold, MD (Schleizinger), LETTER, 591
- Letters**
 anticholinergics for Parkinson disease (Hurtig), 495
 association of myasthenia gravis with multiple hamartoma syndrome (Cowden disease) (Yuasa), 591
 asymmetrical pupillary slowing and degree of severity in myasthenia gravis (Bryant), 288; reply (Lepore et al), 289
 brainstem auditory evoked responses in palatal myoclonus (Epstein et al), 592
 conus tuberculoma responding to chemotherapy (Bradbury and Davis), 392
 cubital tunnel syndrome and ulnar neuropathy (Brown et al), 289; reply (Miller), 290
 cyclandelate in diabetic radiculoneuropathy (van der Drift), 388
 diabetic superior branch palsy of oculomotor nerve (Masucci and Kurtzke), 493
 L-dopa in children with progressive neurological disorders (Bugiani and Gatti), 93
 drowning in epilepsy (Livingston et al), 495
 eating epilepsy (Cirignotta and Lugaesi), 393; reply (Robertson and Fariello), 393
 fatal Reye-like syndrome associated with valproic acid (Young et al), 389

- hemorrhage within brain tumors during jogging (Downey et al), 496
- improvement of Guillain-Barré syndrome by hemodialysis (Vital et al), 496
- interactional studies with sodium valproate and naloxone (Cowan), 388
- interferon therapy for ALS (Rissanen et al), 392
- lorazepam in therapy for status epilepticus (Griffith and Karp), 493
- lymphokine production in multiple sclerosis (Vertosick and Kelly), 391; reply (Willoughby et al), 391
- metrizamide encephalopathy (Vincent and Zimmerman), 494
- motorcyclists and head injuries (André-Kildare), 389
- properties of transmissible agent derived from chronic spongiform encephalopathy (Tateishi et al), 390
- resolution of classic migraine after removal of occipital lobe AVM (Kattah and Luessenhop), 93
- seizures in sarcoidosis, poor prognosis (Delaney), 494
- spontaneous pneumothorax and multiple sclerosis (Melton and Bartleson), 492
- tribute to Samuel Leopold, MD (Schlezinger), 591
- unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), 287
- Leukocyte inhibitory factor**
- lymphokine production in multiple sclerosis (Vertosick and Kelly), LETTER, 391; reply (Willoughby et al), LETTER, 391
- Leukocytes**
- PMNs in normal spinal fluid examined by cytocentrifuge technique (Simon and Koerper), 380
- Levodopa**
- anticholinergics for Parkinson disease (Hurtig), LETTER, 495
- L-dopa in children with progressive neurological disorders (Bugiani and Gatti), LETTER, 93
- Lipids**
- adrenoleukodystrophy, elevated C26 fatty acid in cultured skin fibroblasts (Moser et al), 542
- multisystem triglyceride storage disorder with impaired long-chain fatty acid oxidation (Angelini et al), 5
- Liposomes**
- interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587
- Lorazepam, in therapy for status epilepticus (Griffith and Karp), LETTER, 493
- Lung**
- carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65
- spontaneous pneumothorax and multiple sclerosis (Melton and Bartleson), LETTER, 492
- Lymphedema**
- hereditary spinal arachnoid cysts, distichiasis, and lymphedema (Schwartz et al), 340
- Lymphocyte capping**
- autosomal dominant cerebrovascular amyloidosis, properties of peripheral blood lymphocytes (Stefansson et al), 436
- Lymphocytes**
- autosomal dominant cerebrovascular amyloidosis, properties of peripheral blood lymphocytes (Stefansson et al), 436
- Lymphokines**
- lymphokine production in multiple sclerosis (Vertosick and Kelly), LETTER, 391; reply (Willoughby et al), LETTER, 391
- Malignant hyperthermia**
- central core disease and malignant hyperthermia syndrome (Frank et al), 11
- Medulloblastoma, presenting as neck tumors in 2 infants** (McComb et al), 113
- Memory**
- memory enhancement in Korsakoff's psychosis by clonidine, further evidence for a noradrenergic deficit (McEntee and Mair), 466
- transient global amnesia (Shuping et al), 281
- Meningitis**
- cerebral herniation in bacterial meningitis in childhood (Horwitz et al), 524
- seizures in sarcoidosis, poor prognosis (Delaney), LETTER, 494
- Metabolic diseases**
- multisystem triglyceride storage disorder with impaired long-chain fatty acid oxidation (Angelini et al), 5
- peripheral nerve conduction in Fabry disease (Sheth and Swick), 319
- Metabolism**
- adrenoleukodystrophy, elevated C26 fatty acid in cultured skin fibroblasts (Moser et al), 542
- chronic Leigh disease, genetic and biochemical study (Plaitakis et al), 304
- glutamate dehydrogenase deficiency in three patients with spinocerebellar syndrome (Plaitakis et al), 297
- glycerol kinase deficiency with neuromuscular, skeletal, and adrenal abnormalities (Guggenheim et al), 441
- interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587
- valproic acid and ethosuximide interaction (Mattson and Cramer), 583
- Metastasis**
- medulloblastoma presenting as neck tumors in 2 infants (McComb et al), 113
- radiation therapy for brain metastases (Cairncross et al), 529
- Methylmercury**
- fetal methylmercury poisoning, clinical and toxicological data on 29 cases (Marsh et al), 348
- Metrizamide, encephalopathy** (Vincent and Zimmerman), LETTER, 494
- Mice. See** Developing mice
- Migraine**
- resolution of classic migraine after removal of occipital lobe AVM (Kattah and Luessenhop), LETTER, 93
- Mitral valve**
- familial stroke syndrome associated with mitral valve prolapse (Rice et al), 130
- Mongolism**
- neurofibrillary tangles, granulovacuolar degeneration, and neuron loss in Down syndrome, quantitative comparison with Alzheimer dementia (Ball and Nuttall), 462
- startle epilepsy complicating Down syndrome during adulthood (Giménez-Roldán and Martín), 78
- Monkeys**
- effects of manipulation of sensorimotor system on focal motor seizures in the monkey (Hosokawa et al), 222
- local cerebral glucose utilization in newborn and pubescent monkeys during focal motor seizures (Kato et al), 204
- propagation of focal motor seizures in pubescent monkey (Caveness et al), 213
- spinal evoked potential in the monkey (Feldman et al), 238

Monkeys (continued)

tables of local cerebral glucose utilization in various experimental preparations, APPENDIX, 230

Motorcycle riders

motorcyclists and head injuries (André-Kildare), LETTER, 389

Motor neuron disease

management of hypoventilation in motor neuron disease presenting with respiratory insufficiency (Sivak and Streib), 188

Mucopolysaccharidosis

myelopathy in mucopolysaccharidosis type II (Hunter syndrome) (Ballenger et al), 382

Multiinfarct dementia

pathological verification of ischemic score in differentiation of dementias (Rosen et al), 486

Multiple sclerosis

brainstem auditory evoked responses in 200 patients with multiple sclerosis (Chiappa et al), 135

immunocytochemical method to identify myelin basic protein in oligodendroglia and myelin sheaths of human nervous system (Itoyama et al), 157

immunocytochemical observations on distribution of myelin-associated glycoprotein and myelin basic protein in multiple sclerosis lesions (Itoyama et al), 167

immunoreactive myelin basic protein in cerebrospinal fluid in neurological disorders (Whitaker et al), 58

interaction of multiple sclerosis serum with liposomes containing ganglioside G_{M1} (Mullin et al), 587

lymphokine production in multiple sclerosis (Vertosick and Kelly), LETTER, 391; reply (Willoughby et al), LETTER, 391

molecular features of immunoreactive myelin basic protein in cerebrospinal fluid of persons with multiple sclerosis (Bashir and Whitaker), 50

spontaneous pneumothorax and multiple sclerosis (Melton and Bartleson), LETTER, 492

Muscle

cylindrical spirals in a familial neuromuscular disorder (Bove et al), 550

undecussated innervation to sternocleidomastoid muscle (Balagura and Katz), 84

Muscle function

neurotonia, impulse-induced repetitive discharges in motor nerves in peripheral neuropathy (Warmolts and Mendell), 245

Muscular dystrophy

serum creatine kinase BB and MM concentrations determined by radioimmunoassay in neuromuscular disorders (Zweig et al), 324

Musculoskeletal abnormalities

central core disease and malignant hyperthermia syndrome (Frank et al), 11

Myasthenia gravis

association of myasthenia gravis with multiple hamartoma syndrome (Cowden disease) (Yuasa), LETTER, 591

asymmetrical pupillary slowing and degree of severity in myasthenia gravis (Bryant), LETTER, 288; reply (Lepore et al), LETTER, 289

Mycoplasma pneumoniae

mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108

Myelin basic protein

immunocytochemical method to identify myelin basic protein in oligodendroglia and myelin sheaths of human nervous system (Itoyama et al), 157

immunocytochemical observations on distribution of

myelin-associated glycoprotein and myelin basic protein in multiple sclerosis lesions (Itoyama et al), 167

immunoreactive myelin basic protein in cerebrospinal

fluid in neurological disorders (Whitaker et al), 58

molecular features of immunoreactive myelin basic protein in cerebrospinal fluid of persons with multiple

sclerosis (Bashir and Whitaker), 50

prevention of experimental allergic encephalomyelitis in

Lewis rats with peptide 68-88 of guinea pig myelin

basic protein (Chou et al), 336

Myelography

metrizamide encephalopathy (Vincent and Zimmerman), LETTER, 494

Myelopathy, in mucopolysaccharidosis type II (Hunter syndrome), 382

Myoclonus

peripheral neuropathy in cherry-red spot-myoclonus

syndrome (sialidosis type I) (Steinman et al), 450

treatment of myoclonus with L-5-hydroxytryptophan and

carbidopa, clinical, electrophysiological, and biochemical observations (Thal et al), 570

Myopathy

cylindrical spirals in a familial neuromuscular disorder (Bove et al), 550

neuropathy and mitochondrial myopathy (Peyronnard et

al), 262

Myotonia

cylindrical spirals in a familial neuromuscular disorder

(Bove et al), 550

Naloxone

interactional studies with sodium valproate and naloxone (Cowan), LETTER, 388

Narcolepsy

sleep apnea, narcolepsy, and dreaming, regional cerebral hemodynamics (Meyer et al), 479

Neonatal apnea

heart rate changes in convulsive and nonconvulsive neonatal apnea (Fenichel et al), 577

Nerve

pure axonal neuropathy, nerve xenografts and clinicopathological study of a family with peripheral neuropathy, hereditary ataxia, focal necrotizing encephalopathy, and spongy degeneration of brain (Appenzeller et al), 251

Nerve compression

cubital tunnel syndrome, treatment with simple decompression (Miller and Hummel), 567

cubital tunnel syndrome and ulnar neuropathy (Brown et

al), LETTER, 289; reply (Miller), LETTER, 290

Nerve conduction

cyclandelate in diabetic radiculoneuropathy (van der Drift), LETTER, 388

peripheral nerve conduction in Fabry disease (Sheth and

Swick), 319

Nerve stimulation

spinal evoked potential in the monkey (Feldman et al), 238

Neural axis

characterization of clinical CSF dynamics and neural axis compliance using pressure-volume index—the normal index (Shapiro et al), 508

Neuraminidase

peripheral neuropathy in cherry-red spot-myoclonus syndrome (sialidosis type I) (Steinman et al), 450

- Neuroaxonal dystrophy**
 diagnosis of infantile neuroaxonal dystrophy by skin biopsy (Wisniewski and Wisniewski), 377
 neuroaxonal dystrophy and hemosiderin in central nervous system (Sadeh and Sandbank), NOTE, 286
- Neurofibrillary degeneration**
 central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- Neurofibrillary tangles, granulovacuolar degeneration, and neuron loss in Down syndrome, quantitative comparison with Alzheimer dementia (Ball and Nuttall), 462**
- Neurology**
 impressions of neurology and neurosurgery in the People's Republic of China (Tower and Feindel), EDITORIAL REVIEW, 395
- Neuromyopathy**
 carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65
- Neuronopathy**
 acute sensory neuronopathy syndrome (Serman et al), 354
- Neuropathy. See Peripheral neuropathy; Sensory neuropathy**
- Neurosurgery**
 impressions of neurology and neurosurgery in the People's Republic of China (Tower and Feindel), EDITORIAL REVIEW, 395
- Neurotonia, impulse-induced repetitive discharges in motor nerves in peripheral neuropathy (Warmolts and Mendell), 245**
- Newborn**
 local cerebral glucose utilization in newborn and pubescent monkeys during focal motor seizures (Kato et al), 204
- Norepinephrine**
 memory enhancement in Korsakoff's psychosis by clonidine, further evidence for a noradrenergic deficit (McEntee and Mair), 466
- Nystagmus**
 cerebellar control of ocular gaze stability (Zee et al), 37
 optokinetic nystagmus and parietal lobe lesions (Baloh et al), 269
 pituitary apoplexy with retraction nystagmus (Poisson et al), NOTE, 286
 reversed optokinetic nystagmus (OKN) (Halmagyi et al), 429
- Oat cell cancer**
 carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65
- Occipital lobe**
 resolution of classic migraine after removal of occipital lobe AVM (Kattah and Luessenhop), LETTER, 93
- Oculomotor function**
 absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277
 asymmetrical pupillary slowing and degree of severity in myasthenia gravis (Bryant), LETTER, 288; reply (Leopore et al), LETTER, 289
 cerebellar control of ocular gaze stability (Zee et al), 37
 optokinetic nystagmus and parietal lobe lesions (Baloh et al), 269
 pituitary apoplexy with retraction nystagmus (Poisson et al), NOTE, 286
 reversed optokinetic nystagmus (OKN) (Halmagyi et al), 429
- Oculomotor nerve**
 diabetic superior branch palsy of oculomotor nerve (Masucci and Kurtzke), LETTER, 495
- Ophthalmic division**
 cold face test in assessment of trigeminal-brainstem-vagal function in humans (Khurana et al), 144
- Ophthalmoplegia**
 diabetic superior branch palsy of oculomotor nerve (Masucci and Kurtzke), LETTER, 493
- Ophthalmoplegia-plus**
 neuropathy and mitochondrial myopathy (Peyronnard et al), 262
- Optokinetic nystagmus**
 optokinetic nystagmus and parietal lobe lesions (Baloh et al), 269
 reversed optokinetic nystagmus (OKN) (Halmagyi et al), 429
- β -Oxidation**
 multisystem triglyceride storage disorder with impaired long-chain fatty acid oxidation (Angelini et al), 5
- Palatal myoclonus**
 brainstem auditory evoked responses in palatal myoclonus (Epstein et al), LETTER, 592
- Pancreatitis, associated with valproic acid therapy for epilepsy (Coulter and Allen), NOTE, 92**
- Paralysis**
 myelopathy in mucopolysaccharidosis type II (Hunter syndrome) (Ballenger et al), 382
- Parietal lobe**
 optokinetic nystagmus and parietal lobe lesions (Baloh et al), 269
- Parkinson disease**
 anticholinergics for Parkinson disease (Hurtig), LETTER, 495
 Parkinson disease, dementia, and Alzheimer disease, clinicopathological correlations (Boller et al), 329
- Parotid gland**
 acute parotitis and hyperamylasemia following whole-brain radiation therapy (Cairncross et al), 385
- Parotitis**
 acute parotitis and hyperamylasemia following whole-brain radiation therapy (Cairncross et al), 385
- Pediatrics**
 cerebral herniation in bacterial meningitis in childhood (Horwitz et al), 524
 children's language disorders, recent research advances (Ludlow), CURRENT REVIEW, 497
 diagnosis of infantile neuroaxonal dystrophy by skin biopsy (Wisniewski and Wisniewski), 377
 L-dopa in children with progressive neurological disorders (Bugiani and Gratti), LETTER, 93
 fetal methylmercury poisoning, clinical and toxicological data on 29 cases (Marsh et al), 348
 heart rate changes in convulsive and nonconvulsive neonatal apnea (Fenichel et al), 577
 intraventricular hemorrhage in high-risk preterm infant (Ahmann et al), 118
 medulloblastoma presenting as neck tumors in 2 infants (McComb et al), 113
 unilateral hemispheric ganglioglioma with infantile spasms (Gabriel), LETTER, 287
- Perception**
 barognosis in a patient with hemiataxia (Angel), 73
- Peripheral nerves**
 peripheral nerve conduction in Fabry disease (Sheth and Swick), 319

Peripheral nerves (*continued*)

radiation-induced malignant and atypical peripheral nerve sheath tumors (Foley et al), 311

Peripheral neuropathy

acute sensory neuronopathy syndrome (Stermen et al), 354

carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65

cubital tunnel syndrome, treatment with simple decompression (Miller and Hummel), 567

cubital tunnel syndrome and ulnar neuropathy (Brown et al), LETTER, 289; reply (Miller), LETTER, 290

cyclandelate in diabetic radiculoneuropathy (van der Drift), LETTER, 388

improvement of Guillain-Barré syndrome by hemodialysis (Vital et al), LETTER, 496

mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108

neuropathy and mitochondrial myopathy (Peyronnard et al), 262

neurotonia, impulse-induced repetitive discharges in motor nerves in peripheral neuropathy (Warmolts and Mendell), 245

peripheral neuropathy in cherry-red spot-myoclonus syndrome (sialidosis type I) (Steinman et al), 450

pure axonal neuropathy, nerve xenografts and clinicopathological study of a family with peripheral neuropathy, hereditary ataxia, focal necrotizing encephalopathy, and spongy degeneration of brain (Appenzeller et al), 251

sarcoid polyneuropathy, a histologically proved case (Oh), 178

Phentolamine

effect of alpha-adrenergic innervation on caudate blood flow (Levy and Wicke), 150

Phenylacetate

neuropathology of phenylacetate poisoning in rats, experimental model of phenylketonuria (Wen et al), 557

Phenylephrine

effect of alpha-adrenergic innervation on caudate blood flow (Levy and Wicke), 150

Phenylketonuria

neuropathology of phenylacetate poisoning in rats, experimental model of phenylketonuria (Wen et al), 557

Phenytoin

cerebellar degeneration due to chronic phenytoin therapy (McLain et al), 18

reduced seizure control due to spoiled phenytoin capsules (Cloyd et al), 191

Pituitary adenomas, clinicopathological and immunohistochemical study (Martinez et al), 24

Pituitary apoplexy with retraction nystagmus (Poisson et al), NOTE, 286

Plasmapheresis

improvement of Guillain-Barré syndrome by hemodialysis (Vital et al), LETTER, 496

Pleocytosis

brainstem abscess and syndrome of acute tegmental encephalitis (Harvey and Carlow), 371

Pneumothorax

spontaneous pneumothorax and multiple sclerosis (Melton and Bartleson), LETTER, 492

Poisoning. *See also* Toxicity

acute ataxia associated with ciguatera-type (grouper) tropical fish poisoning (Jones), NOTE, 491

fetal methylmercury poisoning, clinical and toxicological data on 29 cases (Marsh et al), 348

neuropathology of phenylacetate poisoning in rats, experimental model of phenylketonuria (Wen et al), 557

Polycythemia

extramedullary hematopoiesis and spinal cord compression complicating polycythemia rubra vera (Rice et al), 81

Polymorphonuclear leukocytes

PMNs in normal spinal fluid examined by cytocentrifuge technique (Simon and Koerper), 380

Polymyositis

serum creatine kinase BB and MM concentrations determined by radioimmunoassay in neuromuscular disorders (Zweig et al), 324

Polyradiculoneuropathy

mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108

Postural control

multisensory physiological and pathological vertigo syndromes (Brandt and Daroff), CLINICAL REVIEW, 195

Potassium

mechanisms underlying epileptiform burst discharge (Schwartzkroin and Wyler), HYPOTHESIS, 95

Prematurity

intraventricular hemorrhage in high-risk preterm infant (Ahmann et al), 118

Pressure-volume index

characterization of clinical CSF dynamics and neural axis compliance using pressure-volume index—the normal index (Shapiro et al), 508

Prostaglandins

lymphokine production in multiple sclerosis (Vertosick and Kelly), LETTER, 391; reply (Willoughby et al), LETTER, 391

Pseudomyotonia

neurotonia, impulse-induced repetitive discharges in motor nerves in peripheral neuropathy (Warmolts and Mendell), 245

Psychomotor retardation

fetal methylmercury poisoning, clinical and toxicological data on 29 cases (Marsh et al), 348

Rabbits

central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489

Radiation

acute parotitis and hyperamylasemia following whole-brain radiation therapy (Cairncross et al), 385

radiation-induced malignant and atypical peripheral nerve sheath tumors (Foley et al), 311

radiation therapy for brain metastases (Cairncross et al), 529

Ragged-red fibers

neuropathy and mitochondrial myopathy (Peyronnard et al), 262

Rats

neuropathology of phenylacetate poisoning in rats, experimental model of phenylketonuria (Wen et al), 557

prevention of experimental allergic encephalomyelitis in Lewis rats with peptide 68-88 of guinea pig myelin basic protein (Chou et al), 336

Reflex pathway

cold face test in assessment of trigeminal-brainstem-vagal function in humans (Khurana et al), 144

Remote effects

carcinomatous neuromyopathy of oat cell lung cancer (Hawley et al), 65

REM sleep

- absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277
- normal human sleep, regional cerebral hemodynamics (Sakai et al), 471

Reviews

- children's language disorders, recent research advances (Ludlow), 497
- impressions of neurology and neurosurgery in the People's Republic of China (Tower and Feindel), 395
- multisensory physiological and pathological vertigo syndromes (Brandt and Daroff), 195
- treatment of Reye syndrome (Trauner), 2

Reye syndrome

- fatal Reye-like syndrome associated with valproic acid (Young et al), LETTER, 389
- treatment of Reye syndrome (Trauner), EDITORIAL REVIEW, 2

Rheumatoid disease, with encephalitis (Kim), 86

Saccades

- absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277

Sarcoidosis

- sarcoid polyneuropathy, a histologically proved case (Oh), 178
- seizures in sarcoidosis, poor prognosis (Delaney), LETTER, 494

Sciatic nerve

- spinal evoked potential in the monkey (Feldman et al), 238

Seitelberger disease

- diagnosis of infantile neuroaxonal dystrophy by skin biopsy (Wisniewski and Wisniewski), 377

Seizures. *See* Epilepsy

Senile dementia

- neurofibrillary tangles, granulovacuolar degeneration, and neuron loss in Down syndrome, quantitative comparison with Alzheimer dementia (Ball and Nuttall), 462
- Parkinson disease, dementia, and Alzheimer disease, clinicopathological correlations (Boller et al), 329
- pathological verification of ischemic score in differentiation of dementias (Rosen et al), 486

Sensory neuropathy

- acute sensory neuropathy syndrome (Serman et al), 354

Serology

- mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108

Sialidosis

- peripheral neuropathy in cherry-red spot-myoclonus syndrome (sialidosis type I) (Steinman et al), 450

Skin

- adrenoleukodystrophy, elevated C26 fatty acid in cultured skin fibroblasts (Moser et al), 542

Sleep

- normal human sleep, regional cerebral hemodynamics (Sakai et al), 471

Sleep disorders

- absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277
- sleep apnea, narcolepsy, and dreaming, regional cerebral hemodynamics (Meyer et al), 479

Sodium valproate. *See* Valproic acid

Spasticity

- L-dopa in children with progressive neurological disorders (Bugiani and Gatti), LETTER, 93

Spinal cord

- central cholinergic activity in aluminum-induced neurofibrillary degeneration (Hetnarski et al), 489
- conus tuberculoma responding to chemotherapy (Bradbury and Davis), LETTER, 392
- hereditary spinal arachnoid cysts, distichiasis, and lymphedema (Schwartz et al), 340
- myelopathy in mucopolysaccharidosis type II (Hunter syndrome) (Ballenger et al), 382
- spinal evoked potential in the monkey (Feldman et al), 238

Spinal cord compression

- extramedullary hematopoiesis and spinal cord compression complicating polycythemia rubra vera (Rice et al), 81
- myelopathy in mucopolysaccharidosis type II (Hunter syndrome) (Ballenger et al), 382

Spinocerebellar degeneration

- absence of REM and altered NREM sleep in patients with spinocerebellar degeneration and slow saccades (Osorio and Daroff), 277

Spongiform encephalopathy

- properties of transmissible agent derived from chronic spongiform encephalopathy (Tateishi et al), LETTER, 390

Sports

- hemorrhage within brain tumors during jogging (Downey et al), LETTER, 496

Startle epilepsy, complicating Down syndrome during adulthood (Giménez-Roldán and Martín), 78

Status epilepticus

- lorazepam in therapy for status epilepticus (Griffith and Karp), LETTER, 493

Sternocleidomastoid muscle

- undecussated innervation to sternocleidomastoid muscle (Balagura and Katz), 84

Steroids

- acute parotitis and hyperamylasemia following whole-brain radiation therapy (Cairncross et al), 385
- radiation therapy for brain metastases (Cairncross et al), 529

Striatum

- relationships of aging changes in basal ganglia to manifestations of Huntington's chorea (Finch), EDITORIAL, 406

Subacute necrotizing encephalomyelopathy

- chronic Leigh disease, genetic and biochemical study (Plaitakis et al), 304

Subacute sclerosing panencephalitis

- isoprinosine treatment in 18 patients with subacute sclerosing panencephalitis (Haddad and Risk), 185

Subependymal hemorrhage

- intraventricular hemorrhage in high-risk preterm infant (Ahmann et al), 118

Superior branch palsy

- diabetic superior branch palsy of oculomotor nerve (Masucci and Kurtzke), LETTER, 493

Tables, of local cerebral glucose utilization in various experimental preparations, APPENDIX, 230

Tegmental encephalitis

- brainstem abscess and syndrome of acute tegmental encephalitis (Harvey and Carlow), 371

- Tic douloureux**
prolonged relief of tic douloureux from partial root destruction is associated with localized analgesia (Ecker), 181
- Tics**
Gilles de la Tourette syndrome, clinical and family study of 50 cases (Nee et al), 41
- Tourette syndrome**
Gilles de la Tourette syndrome, clinical and family study of 50 cases (Nee et al), 41
- Toxicity. *See also* Poisoning**
metrizamide encephalopathy (Vincent and Zimmerman), LETTER, 494
- Transient global amnesia** (Shuping et al), 281
- Transient ischemic attack**
transient global amnesia (Shuping et al), 281
- Trigeminal nerve**
masticatory spasm in facial hemiatrophy (Kaufman), 585
- Trigeminal neuralgia**
prolonged relief of tic douloureux from partial root destruction is associated with localized analgesia (Ecker), 181
- Tuberculoma**
conus tuberculoma responding to chemotherapy (Bradbury and Davis), LETTER, 392
- Tumors. *See* Brain tumors and specific type**
- Ulnar neuropathy**
cubital tunnel syndrome, treatment with simple decompression (Miller and Hummel), 567
cubital tunnel syndrome and ulnar neuropathy (Brown et al), LETTER, 289; reply (Miller), LETTER, 290
- Vagal bradycardia**
cold face test in assessment of trigeminal-brainstem-vagal function in humans (Khurana et al), 144
- Valproic acid**
fatal Reye-like syndrome associated with valproic acid (Young et al), LETTER, 389
- interactional studies with sodium valproate and naloxone (Cowan), LETTER, 388
- pancreatitis associated with valproic acid therapy for epilepsy (Coulter and Allen), NOTE, 92
- valproic acid and ethosuximide interaction (Mattson and Cramer), 583
- Vasculitis**
disseminated vasculomyelinopathy, an immune complex disease (Reik), HYPOTHESIS, 291
- Vasculomyelinopathy**
disseminated vasculomyelinopathy, an immune complex disease (Reik), HYPOTHESIS, 291
- Vertigo**
multisensory physiological and pathological vertigo syndromes (Brandt and Daroff), CLINICAL REVIEW, 195
- Vestibular function**
multisensory physiological and pathological vertigo syndromes (Brandt and Daroff), CLINICAL REVIEW, 195
- Viral diseases**
interferon therapy for ALS (Rissanen et al), LETTER, 392
isoprinosine treatment in 18 patients with subacute sclerosing panencephalitis (Haddad and Risk), 185
mycoplasma antibody in Guillain-Barré syndrome and other neurological disorders (Goldschmidt et al), 108
properties of transmissible agent derived from chronic spongiform encephalopathy (Tateishi et al), LETTER, 390
treatment of Reye syndrome (Trauner), EDITORIAL REVIEW, 2
- Voluntary control**
neurotonia, impulse-induced repetitive discharges in motor nerves in peripheral neuropathy (Warmolts and Mendell), 245
- Xenografts**
pure axonal neuropathy, nerve xenografts and clinicopathological study of a family with peripheral neuropathy, hereditary ataxia, focal necrotizing encephalopathy, and spongy degeneration of brain (Appenzeller et al), 251

